

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

July 14, 2006

Board of Land
and Natural Resources
Honolulu, Hawaii

THE DIVISION OF AQUATIC RESOURCES REQUESTS BOARD OF LAND AND
NATURAL RESOURCES (BLNR) AUTHORIZATION/APPROVAL TO ISSUE TWO (2)
NORTHWESTERN HAWAIIAN ISLANDS (NWHI) NATIVE HAWAIIAN PERMITS TO
NAINOA THOMPSON OF THE POLYNESIAN VOYAGING SOCIETY FOR THE SAILING
CANOE HOKULEA AND THE ESCORT VESSEL KAMAHELE TO CONDUCT
NAVIGATIONAL TRAINING IN THE STATE WATERS OF NIHOA FROM MID-JULY TO
MID-AUGUST, 2006

Submitted herewith for your authorization and approval is a request for issuance of two (2) NWHI Access Permits to Nainoa Thompson of the Polynesian Voyaging Society that will allow activities to occur in the NWHI State Marine Refuge (0-3 miles) waters surrounding Nihoa Island. The activities covered under this permit will occur from July 21, 2006 to August 31, 2006, from the sailing canoe Hokulea and the escort vessel Kamahele.

The primary objective of this trip is to train high school students in the traditional Hawaiian/Polynesian means of Wayfinding (non-instrumental navigation). The trip is educational and will provide the students onboard the ability to test new voyaging curriculum that will include components of ecology, with emphasis on environmental protection, resource management and sustainability. The Main Hawaiian Islands are too close in proximity to practice long-range navigational skills, thus the activity must occur within the NWHI, which provides targets that are smaller and farther away and not as easy to locate, to challenge skills. The training voyage is also being undertaken to prepare for a much longer voyage to Micronesia next December.

The proposed activities are consistent with and support the purposes of the Refuge, primarily to perpetuate traditional knowledge and ancestral connections of the Native Hawaiians to the NWHI.

REVIEW PROCESS:

The permit was received by the Division of Aquatic Resources on June 30, 2006. It was not sent out for review and comment due to the need to have the application on the July 14, 2006 Land Board. The application was discussed at a meeting of the State's Cultural Advisory Group on Monday, June 26, 2006, prior to receipt of the application. This group was supportive of the perpetuation of Wayfinding skills to the next generation

The application did request the opportunity to subsistence fish while in State waters. This was discussed with the applicant.

RESPONSE:

Upon further discussion, the applicant agreed to fish outside of State waters and not to request approval to fish while at anchor.

FINAL STAFF RECOMMENDATIONS:

- 1) Allow the sailing canoe Hokulea and the escort vessel Kamahele entry into State waters to support traditional navigational training.
- 2) Allow the anchoring of these vessels at Nihoa on sand or rocky substrate.
- 3) Do not allow the request for subsistence fishing while in State waters.

RECOMMENDATION:

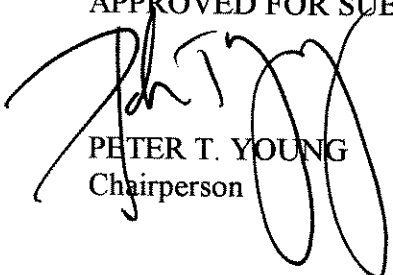
"That the Board authorize and approve, with stated conditions, issuance of two (2) permits to Nainoa Thompson of the Polynesian Voyaging Society for activities and access within the State waters of the NWHI."

Respectfully submitted,



 DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL



PETER T. YOUNG
Chairperson

APPENDIX 1

**State of Hawai'i
DLNR
Northwestern Hawaiian Islands State Marine
Refuge
Permit Application Form
Draft**

<i>For Office Use Only</i>
Permit No:
Expiration date:
Date Appl. Received:
Appl. Fee received:
NWHI Permit Review Committee date:
Board Hearing date:
Post to web date:

Type of Permit

- ☐ I am applying for a **Research, Monitoring & Education** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☒ I am applying for a permit for a **Native Hawaiian** permit. (Complete and mail Application)
- ☒ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☐ I am applying for a **Special Activity** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

Briefly describe **Special permit** activity:

When will the NWHI activity take place?

- ☒ **Summer** (May-July of 2006 (year)

Note: Permit request must be received before February 1st

Specific dates of expedition July 21st, 2006 – August 3rd, 2006

- ☐ **Fall** (August-November) of ____ (year)

Note: Permit request must be received before May 1st

Specific dates of expedition _____

- ☐ **Other**




NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Please Send Permit Applications to:

NWHI State Marine Refuge Permit Coordinator
State of Hawai'i
Department of Land and Natural Resources
Division of Aquatic Resources
1151 Punchbowl Street, Room 330
Honolulu, Hawai'i 96813

NWHI State Marine Refuge Permit Application

NWHI State Marine Refuge Permit Application
See Appendix 2 for Application Instructions

Section A – Applicant Information	
1. Project Leader (attach Project Leader's CV or resume) <input checked="" type="checkbox"/> CV attached Thompson, Charles N. Name: Last, First, Middle Initial	President/Chairman of the Board Title
2. Mailing Address (Street/PO Box, City, State, Zip) 191 Ala Moana Blvd., Pier 7 Honolulu, HI 96813	Telephone (808)536-8405 Fax (808)536-1519 Email Address pvshawaii@hawaiiintel.net
3. Affiliation (Institution/Agency/Organization) Polynesian Voyaging Society	For graduate students, Major Professor 's Name & Telephone N/A
4. Sub-Permittee/Assistant Names, Affiliations, and Contact Information <input type="checkbox"/> CV or resume attached N/A	
5. Project Title Kapu Na Keiki – Navigation Training	
6. Applicant Signature  	7. Date (mm/dd/yyyy)  6-28-06

Section B: Project Information
8. (a) Project Location <input checked="" type="checkbox"/> NWHI State Marine Refuge (0-3 miles) waters surrounding: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Nihoa Island <input type="checkbox"/> Necker Island (Mokumanamana) <input type="checkbox"/> French Frigate Shoals <input type="checkbox"/> Laysan <input type="checkbox"/> Maro <input type="checkbox"/> Gardner Pinnacles <input type="checkbox"/> Lisianski Island, Neva Shoal <input type="checkbox"/> Pearl and Hermes Atoll <input type="checkbox"/> Kure Atoll, State Wildlife Refuge <input type="checkbox"/> Other NWHI location <p>Describe project location (include names, GPS coordinates, habitats, depths and attach maps, etc. as appropriate). Depart Waimea, Kaua'i; sail to Nihoa, anchor overnight; sail to Ka'ula rock; anchor overnight off of Ni'ihau; return to Hanalei - see attached map</p>

(b) check all actions to be authorized:

☒ Enter the NWHI Marine Refuge waters

☐ Take (harvest) ☐ Possess ☐ Transport (☐ Inter-island ☐ Out-of-state)

☐ Catch ☐ Kill ☐ Disturb ☐ Observe

☒ Anchor ☐ Land (go ashore) ☐ Archaeological research

☐ Interactions with Sea Turtles or Monk Seals ☐ Interactions with Seabirds

☐ Interactions with Live Coral, Ark Shells or Pearl Oysters

☐ Interactions with Jacks, Grouper or Sharks

☒ Conduct Native Hawaiian religious and/or cultural activities

☐ Other activities _____

(c) Collection of specimens – collecting activities (would apply to any activity):

Organisms or objects (List of species, if applicable, add additional sheets if necessary):

Common name	Scientific name	No. & size of specimens	Collection Location(s)
-------------	-----------------	-------------------------	------------------------

N/A

(d) What will be done with the specimens after the project has ended?

N/A

(e) Will the organisms be kept alive after collection? ☐ yes ☐ no

• Specific site/location N/A

• Is it an open or closed system? ☐ open ☐ closed

• Is there an outfall? ☐ yes ☐ no

• Will these organisms be housed with other organisms? If so, what are the other organisms?

N/A

N/A

(Please attach additional documentation as needed to complete the questions listed below)

9. Purpose/Need/Scope:

- State purpose of proposed activities:

The primary objective of this trip is to train high school students in the traditional Hawaiian/Polynesian means of Wayfinding (non-instrumental navigation).

Describe how your proposed activities will help provide information or resources to fulfill the State Marine Refuge purpose and to reach the Refuge goals and objectives.

This trip is an educational prospect of the Polynesian Voyaging Society, in which students onboard this trip will be utilized to test voyaging curriculum (currently being devised), which will include a component of ecology, with an emphasis on environmental protection, resource management & sustainability. The curriculum will be available to public and private institutions throughout the state of Hawaii, as well as throughout the Pacific.

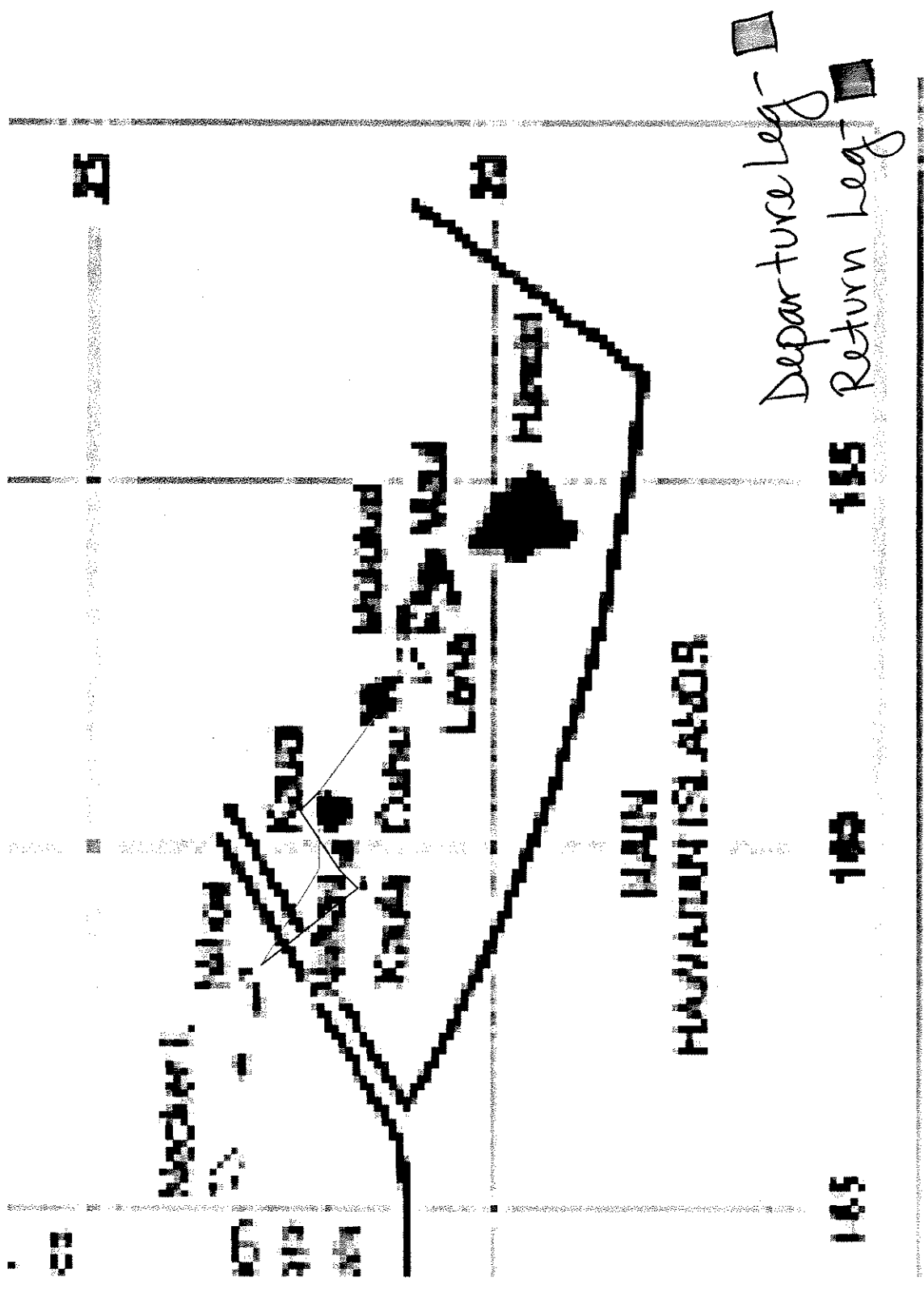
<ul style="list-style-type: none"> Give reasons why this activity must take place in the NWHI and cannot take place in the Main Hawaiian Islands, or elsewhere. <p>The Main Hawaiian Islands are relatively too close in proximity to practice long-range navigational skills, thus the activity must occur within the NWHI, which provide targets that are smaller and farther to locate, to challenge such skills.</p>
<ul style="list-style-type: none"> Describe context of this activity, include history of the science for these questions and background. <p>N/A - This expedition will be strictly used as a training session for navigational purposes, in preparation for a long distance voyage to Micronesia in December 2006. The curriculum discussed on this application will not necessarily be utilized during the trip.</p>
<ul style="list-style-type: none"> Explain the need for this activity and how it will help to enhance survival or recovery of refuge wildlife and habitats. <p>The focus of the voyaging curriculum is to teach scientific concepts through Hawaiian/Polynesian cultural applications. Through the curriculum, students will be able to learn Hawaiian values of reverence for their ancestors, including aquatic and terrestrial biota, as well geological components such as islands. In essence, to teach students about the significance of environmental protection.</p>
<ul style="list-style-type: none"> Describe how your proposed project can help to better manage the State Marine Refuge. <p>The curriculum will be devised to compel students to address and make efforts towards resolving our growing environmental & ecological problems on a local, as well as a global scale.</p>
<p>10. Procedures (include equipment/materials)</p> <p>The purpose of this trip is strictly for navigational purposes, not for biota data collection. The ecological issues exhibited by the NWHI will be discussed during the voyage, however we wish to minimize our anthropogenic influence within the reserve, thus we will refrain from establishing contact with any organisms within the refuge.</p>
<p>11. Funding sources (attach copies budget & funding sources).</p> <p>Individual Private Donations (no documentation)</p>
<p>12. List all literature cited in this application as well as all other publications relevant to the proposed project.</p> <p>N/A</p>
<p>13. What types of insurance do you have in place? (attach documentation)</p> <p><input type="checkbox"/> Wreck Removal</p> <p><input type="checkbox"/> Pollution</p> <p>* Protection & Indemnity Insurance ONLY (refer to attached policy)</p>
<p>14. What certifications/inspections do you have scheduled for your vessel? (attach documentation)</p> <p><input type="checkbox"/> Rat free <input type="checkbox"/> tender vessel <input type="checkbox"/> gear/equipment</p> <p><input checked="" type="checkbox"/> Hull inspection <input type="checkbox"/> ballast water</p>
<p>15. Other permits (list and attach documentation of all other required Federal or State permits).</p> <ul style="list-style-type: none"> U.S. Fish & Wildlife – Special Permit Use (in process of acquisition) NWHI Marine National Monument (in process of acquisition)
<p>16. Project's relationship to other research projects within the NWHI State Marine Refuge, National Wildlife Refuge, NWHI Coral Reef Ecosystem Reserve, or elsewhere.</p> <p>N/A</p>

Section C: Logistics	
17. Time Frame:	
Project Start Date 7/21/2006	Project Completion Date 8/3/2006
Dates actively inside the State Marine Refuge. 7/28/2006 – 7/29/2006	

Personnel schedule in the State Marine Refuge (describe who will be where and when). 10 students, 3 PVS crewmembers, 5 escort vessel crewmembers	
18. Gear and Materials <input checked="" type="checkbox"/> Dive equipment <input type="checkbox"/> Radio Isotopes <input type="checkbox"/> Collecting Equipment <input type="checkbox"/> Chemicals (specify types) For anchoring purposes ONLY	
19. Fixed installations and instrumentation. <input type="checkbox"/> Transect markers <input type="checkbox"/> Acoustic receivers <input type="checkbox"/> Other (specify) N/A	
20. Provide a time line for sample analysis, data analysis, write-up and publication of information. Data collection is non-applicable; refer to attached sail plan for schedule details	
21. Vessel Information: Vessel Name <u>Hokule'a</u> IMO Number <u>N/A</u> Vessel Owner <u>Hawaii Maritime Center</u> Flag <u>USA</u> Captain's Name <u>Nainoa Thompson</u> Chief Scientist or Project Leader <u>Nainoa Thompson</u> Vessel Type <u>Double-hulled Sailing Canoe</u> Call sign <u>WBJ3292</u> Length <u>62' LOA</u> Gross tonnage <u>7 tons</u> Port of Embarkation <u>Nihoa</u> Last port vessel will have been at prior to this embarkation <u>Waimea, Kaua'i</u> Total Ballast Water Capacity: Volume <u>N/A</u> m3 Total number of tanks on ship <u>N/A</u> Total Fuel Capacity: <u>N/A</u> Total number of fuel tanks on ship <u>N/A</u> Other fuel/chemicals to be carried on board and amounts: 4 Propane tanks (5 gal.), Fire extinguishers – (3) dry chemical (5 lbs.) Number of tenders/skiffs aboard and specific type of motors: None Does the vessel have the capability to hold sewage and grey-water? Describe in detail. No. There are no heads or restroom facilities onboard. Does the vessel have a night-time light protocol for use in the NWHI? Describe in detail (attach additional pages as necessary) Running lights while underway at night (as required by the US Coast Guard)	
On what workboats (tenders) will personnel, gear and materials be transported within the State Marine Refuge? N/A	
How will personnel, gear and materials be transported between ship and shore? N/A	
If applicable, how will personnel be transported between islands within any one atoll? N/A	

Kapu Na Keiki – Sail Plan
July 21st 2006 – August 3rd, 2006

1. METC – MAKUA FRI-7/21 1400hrs TO FRI 7/21 2200hrs
 STAY – 24 HRS 15 MIN SAT 7/22
2. MAKUA – HANAIEI SAT-7/22 1815hrs TO SUN 7/23 1000hrs
 STAY – 46 HRS SUN 7/23 – MON 7/24
3. HANAIEI – WAIMEA TUE-7/25 0800hrs TO TUE 7/25 1800hrs
 STAY – 40 HRS 24 MIN TUE 7/25 – WED 7/26
4. WAIMEA – NIHOA THUR-7/27 1024hrs TO FRI 7/28 1200hrs
 STAY – 13 HRS 25 MIN FRI 7/28 – SAT 7/29
5. NIHOA – NI'HAU SAT-7/29 0600hrs TO SUN 7/30 1306hrs
 STAY – 20 HRS 24 MIN SAT 7/29 – SUN 7/30
6. NI'HAU – HANAIEI MON-7/31 1000hrs TO TUE 8/1 0001hrs
 STAY – 36 HRS TUE 8/1 – WED 8/2
7. CLEAN VESSELS TUES-8/1 (ALL DAY)
 STAY – 24 HRS TUE 8/1 – WED 8/2
8. TEACH COMMUNITY CHILDREN (ALL DAY) ???
9. KAPU NA KEIKI STUDENTS FLY HOME THUR 8/3



NWHI Proposal
Polynesian Voyaging Society
Kapu Na Keiki Training – July 2006

The primary objective of this particular activity is to allow high school students to practice the traditional Hawaiian/Polynesian skills of Wayfinding (non-instrumental navigation), in preparation for an upcoming voyage to Micronesia and Japan. The voyage will be coming up in December of 2006, and the students need on-the-water training to prepare them for such an arduous endeavor. The Main Hawaiian Islands are relatively too close to practice long-range navigational skills, thus we wish to conduct such training within the NWHI.

Nihoa is the primary destination, and the premise of this trip is just to be able to visually locate the destination, not to land there. However, we do wish to anchor overnight, and possibly harvest a few fish as sustenance, if still permissible under the new regulations of the monument. Yet, one of our main goals of taking the students to the NWHI is to illustrate the possibilities of a healthy ecosystem, due to the attempts of minimizing anthropogenic influences within the sanctuary.

Besides acquiring and utilizing general navigational skills, a trip to the NWHI would prove to be beneficial to our students to teach them the necessary means of sustainability and the importance of minimizing anthropogenic impact within an ecosystem/biome. Furthermore, Nihoa and Mokumanamana play significant roles from a cultural perspective, with Nihoa being formerly colonized by Polynesian ancestors, and Mokumanamana being one of the most religious/sacred sites throughout the Hawaiian Archipelago. Thus, we wish to extend our cultural beliefs of reverence towards our ancestors to these islands (primarily Nihoa), through Hawaiian protocol.

The new prospects of the Polynesian Voyaging Society are driven towards developing voyaging curriculum that may be utilized statewide and throughout the Pacific by both public and private institutions. The emphasis of the curriculum will be focused around scientific concepts, through traditional Hawaiian applications. The ecological concepts utilized in the Navigating Change curriculum developed during the 2004 NWHI Voyage will be used as a base to expand awareness and address pressing concerns regarding sustainability issues that we face on both a local and global scale.

As a culminating activity of this trip, the students will be asked to participate in beach clean-up projects and cultural activities, as a way to give back to the local communities hosting us on Kaua'i. Furthermore, they will teach the local children about basic navigation, as well as the significance of taking care of the NWHI, being our kupuna (ancestral) islands.

C. Nainoa Thompson

Nainoa Thompson, navigator and sail master of the double-hulled canoe Hokule'a, has for more than 20 years inspired and led a revival of traditional arts associated with long-distance ocean voyaging in Hawai'i and throughout Polynesia. Mr. Thompson has developed a system of wayfinding, or non-instrument navigating, synthesizing traditional principles of ancient Pacific navigation and modern scientific knowledge. He is the first Hawaiian and the first Polynesian to practice the art of wayfinding on long distance ocean voyages since such voyaging ended in Hawai'i around the 14th century.

Mr. Thompson has been a Trustee of the Kamehameha Schools since January 2001, and served as Chairman of the Board in 2004. He is Chairman of the Polynesian Voyaging Society and leads the organization in developing multi-disciplined, culturally relevant educational programs in partnership with other educational institutions, organizations and agencies. He has also served the Bishop Museum as Associate in Research, Ocean Explorations Project Director, and Project Planner and Manager.

He is a 1972 graduate of Punahou School and earned a Bachelor of Arts of ocean science from the University of Hawai'i.

Mr. Thompson serves as special advisor to the President of the University of Hawai'i on Native Hawaiian affairs. He is Regent Emeritus of the University of Hawai'i Board of Regents and is on the Advisory Council of the Ocean Policy Institute. A former U.S. Merchant Marine Officer, Mr. Thompson is a certified Advanced Diver, Red Cross Lifeguard and Commercial Pilot.

Mr. Thompson has served on the boards of the Hawai'i Maritime Center, Pacific Rim Foundation, Children's Discovery Center, Aloha United Way and the Native Hawaiian Culture and Arts Program. Mr. Thompson has received the following community awards: Unsung Hero of Compassion awarded by the Dalai Lama for the Wisdom in Action organization, Charles Reed Bishop Award from the Bishop Museum, the Samuel Armstrong Humanitarian Award from the Punahou School, the Communication and Leadership Award from Toast Masters International, the Ellison S. Onizuka Memorial Award from the National Educational Association, the Na Po'okela Award for Service to Humanity from the Baha'i Faith and the first recipient of the Native Hawaiian Education Association Manomano Ka'ike (Depth & Breadth of Knowledge) Educator of the Year Award (2003).

APPENDIX 1

**State of Hawai'i
DLNR
Northwestern Hawaiian Islands State Marine
Refuge
Permit Application Form
Draft**

<i>For Office Use Only</i>
Permit No:
Expiration date:
Date Appl. Received:
Appl. Fee received:
NWHI Permit Review Committee date:
Board Hearing date:
Post to web date:

Type of Permit

- ☐ I am applying for a **Research, Monitoring & Education** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☒ I am applying for a permit for a **Native Hawaiian** permit. (Complete and mail Application)
- ☒ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.
- ☐ I am applying for a **Special Activity** permit. (Complete and mail Application)
- ☐ This application is for a NEW project in the State Marine Refuge.
- ☐ This application is for an ANNUAL RENEWAL of a previously permitted project in the State Marine Refuge.

Briefly describe **Special permit** activity:

When will the NWHI activity take place?

- ☒ **Summer** (May-July of 2006 (year)

Note: Permit request must be received before February 1st

Specific dates of expedition July 21st, 2006 – August 3rd, 2006

- ☐ **Fall** (August-November) of ____ (year)

Note: Permit request must be received before May 1st

Specific dates of expedition _____

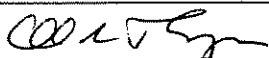


- ☐ **Other**

NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Please Send Permit Applications to:

NWHI State Marine Refuge Permit Coordinator
State of Hawai'i
Department of Land and Natural Resources
Division of Aquatic Resources
1151 Punchbowl Street, Room 330
Honolulu, Hawai'i 96813

NWHI State Marine Refuge Permit Application
See Appendix 2 for Application Instructions

Section A – Applicant Information	
1. Project Leader (attach Project Leader's CV or resume) <input checked="" type="checkbox"/> CV attached Thompson, Charles N. Name: Last, First, Middle Initial	President/Chairman of the Board Title
2. Mailing Address (Street/PO Box, City, State, Zip) 191 Ala Moana Blvd., Pier 7 Honolulu, HI 96813	Telephone (808)536-8405 Fax (808)536-1519 Email Address pvshawaii@hawaiiintel.net
3. Affiliation (Institution/Agency/Organization) Polynesian Voyaging Society	For graduate students, Major Professor's Name & Telephone N/A
4. Sub-Permittee/Assistant Names, Affiliations, and Contact Information <input type="checkbox"/> CV or resume attached N/A	
5. Project Title Kapu Na Keiki – Navigation Training	
6. Applicant Signature  	7. Date (mm/dd/yyyy)  6-28-02

Section B: Project Information
8. (a) Project Location <input checked="" type="checkbox"/> NWHI State Marine Refuge (0-3 miles) waters surrounding: <input checked="" type="checkbox"/> Nihoa Island <input type="checkbox"/> Necker Island (Mokumanamana) <input type="checkbox"/> French Frigate Shoals <input type="checkbox"/> Laysan <input type="checkbox"/> Maro <input type="checkbox"/> Gardner Pinnacles <input type="checkbox"/> Lisianski Island, Neva Shoal <input type="checkbox"/> Pearl and Hermes Atoll <input type="checkbox"/> Kure Atoll, State Wildlife Refuge <input type="checkbox"/> Other NWHI location Describe project location (include names, GPS coordinates, habitats, depths and attach maps, etc. as appropriate). Depart Waimea, Kaua'i; sail to Nihoa, anchor overnight; sail to Ka'ula rock; anchor overnight off of Ni'ihau; return to Hanalei - see attached map

(b) check all actions to be authorized:

☒ Enter the NWHI Marine Refuge waters

☐ Take (harvest) ☐ Possess ☐ Transport (☐ Inter-island ☐ Out-of-state)

☐ Catch ☐ Kill ☐ Disturb ☐ Observe

☒ Anchor ☐ Land (go ashore) ☐ Archaeological research

☐ Interactions with Sea Turtles or Monk Seals ☐ Interactions with Seabirds

☐ Interactions with Live Coral, Ark Shells or Pearl Oysters

☐ Interactions with Jacks, Grouper or Sharks

☒ Conduct Native Hawaiian religious and/or cultural activities

☐ Other activities _____

(c) Collection of specimens – collecting activities (would apply to any activity):

Organisms or objects (List of species, if applicable, add additional sheets if necessary):

Common name	Scientific name	No. & size of specimens	Collection Location(s)
-------------	-----------------	-------------------------	------------------------

N/A

(d) What will be done with the specimens after the project has ended?

N/A

(e) Will the organisms be kept alive after collection? ☐ yes ☐ no

• Specific site/location _____ N/A

• Is it an open or closed system? ☐ open ☐ closed

• Is there an outfall? ☐ yes ☐ no

• Will these organisms be housed with other organisms? If so, what are the other organisms?

N/A

(Please attach additional documentation as needed to complete the questions listed below)

9. Purpose/Need/Scope:

- State purpose of proposed activities:

The primary objective of this trip is to train high school students in the traditional Hawaiian/Polynesian means of Wayfinding (non-instrumental navigation).

Describe how your proposed activities will help provide information or resources to fulfill the State Marine Refuge purpose and to reach the Refuge goals and objectives.

This trip is an educational prospect of the Polynesian Voyaging Society, in which students onboard this trip will be utilized to test voyaging curriculum (currently being devised), which will include a component of ecology, with an emphasis on environmental protection, resource management & sustainability. The curriculum will be available to public and private institutions throughout the state of Hawaii, as well as throughout the Pacific.

<ul style="list-style-type: none"> Give reasons why this activity must take place in the NWHI and cannot take place in the Main Hawaiian Islands, or elsewhere. <p>The Main Hawaiian Islands are relatively too close in proximity to practice long-range navigational skills, thus the activity must occur within the NWHI, which provide targets that are smaller and farther to locate, to challenge such skills.</p>
<ul style="list-style-type: none"> Describe context of this activity, include history of the science for these questions and background. <p>N/A - This expedition will be strictly used as a training session for navigational purposes, in preparation for a long distance voyage to Micronesia in December 2006. The curriculum discussed on this application will not necessarily be utilized during the trip.</p>
<ul style="list-style-type: none"> Explain the need for this activity and how it will help to enhance survival or recovery of refuge wildlife and habitats. <p>The focus of the voyaging curriculum is to teach scientific concepts through Hawaiian/Polynesian cultural applications. Through the curriculum, students will be able to learn Hawaiian values of reverence for their ancestors, including aquatic and terrestrial biota, as well geological components such as islands. In essence, to teach students about the significance of environmental protection.</p>
<ul style="list-style-type: none"> Describe how your proposed project can help to better manage the State Marine Refuge. <p>The curriculum will be devised to compel students to address and make efforts towards resolving our growing environmental & ecological problems on a local, as well as a global scale.</p>
<p>10. Procedures (include equipment/materials)</p> <p>The purpose of this trip is strictly for navigational purposes, not for biota data collection. The ecological issues exhibited by the NWHI will be discussed during the voyage, however we wish to minimize our anthropogenic influence within the reserve, thus we will refrain from establishing contact with any organisms within the refuge.</p>
<p>11. Funding sources (attach copies budget & funding sources).</p> <p>Individual Private Donations (no documentation)</p>
<p>12. List all literature cited in this application as well as all other publications relevant to the proposed project.</p> <p>N/A</p>
<p>13. What types of insurance do you have in place? (attach documentation)</p> <p><input type="checkbox"/> Wreck Removal</p> <p><input checked="" type="checkbox"/> Pollution</p>
<p>14. What certifications/inspections do you have scheduled for your vessel? (attach documentation)</p> <p><input type="checkbox"/> Rat free <input type="checkbox"/> tender vessel <input type="checkbox"/> gear/equipment</p> <p><input checked="" type="checkbox"/> Hull inspection <input type="checkbox"/> ballast water</p>
<p>15. Other permits (list and attach documentation of all other required Federal or State permits).</p> <ul style="list-style-type: none"> U.S. Fish & Wildlife – Special Permit Use (in process of acquisition) NWHI Marine National Monument (in process of acquisition)
<p>16. Project's relationship to other research projects within the NWHI State Marine Refuge, National Wildlife Refuge, NWHI Coral Reef Ecosystem Reserve, or elsewhere.</p> <p>N/A</p>

Section C: Logistics	
17. Time Frame:	
Project Start Date 7/21/2006	Project Completion Date 8/3/2006
Dates actively inside the State Marine Refuge. 7/28/2006 – 7/29/2006	

Personnel schedule in the State Marine Refuge (describe who will be where and when).

10 students, 3 PVS crewmembers, 5 escort vessel crewmembers

18. Gear and Materials

- ☒ Dive equipment ☐ Radio Isotopes
☐ Collecting Equipment ☐ Chemicals (specify types)

For anchoring purposes ONLY

19. Fixed installations and instrumentation.

- ☐ Transect markers ☐ Acoustic receivers
☐ Other (specify) N/A

20. Provide a time line for sample analysis, data analysis, write-up and publication of information.

Data collection is non-applicable; refer to attached sail plan for schedule details

21. Vessel Information:

Vessel Name Kamahele IMO Number 7
Vessel Owner Laura Thompson, Nainoa Thompson and Bruce Blankenfeld Flag USA
Captain's Name Mike Taylor Chief Scientist or Project Leader C. Nainoa Thompson
Vessel Type Sloop Call sign WBL8385
Length 47' LOA Gross tonnage 24 GRT
Port of Embarkation Nihoa

Last port vessel will have been at prior to this embarkation Waimea, Kaua'i

Total Ballast Water Capacity: Volume 0 m3 Total number of tanks on ship 0

Total Fuel Capacity: 1700 gal Total number of fuel tanks on ship 4

Other fuel/chemicals to be carried on board and amounts:

Propane (tanks on deck; emergency shut-off); 5 fire extinguishers – (3) dry-chemical (5 lbs.) / (2) CO2 (5 lbs.)

Number of tenders/skiffs aboard and specific type of motors:

(1) 8 man emergency life raft, (1) 12' Avon Inflatable w/ 5 h.p. Nissan outboard (4 stroke) – (refer to marine survey, pg. 6)

Does the vessel have the capability to hold sewage and grey-water? Describe in detail.

Yes. Two heads: (1) Type III, (1) overboard discharge; Valves: ballvalves; Extras: holding tank (refer to marine survey documents for Kamahele, pg. 6)

Does the vessel have a night-time light protocol for use in the NWHI? Describe in detail (attach additional pages as necessary)

Running lights while underway (as required by the US Coast Guard)

On what workboats (tenders) will personnel, gear and materials be transported within the State Marine Refuge?

N/A

How will personnel, gear and materials be transported between ship and shore?

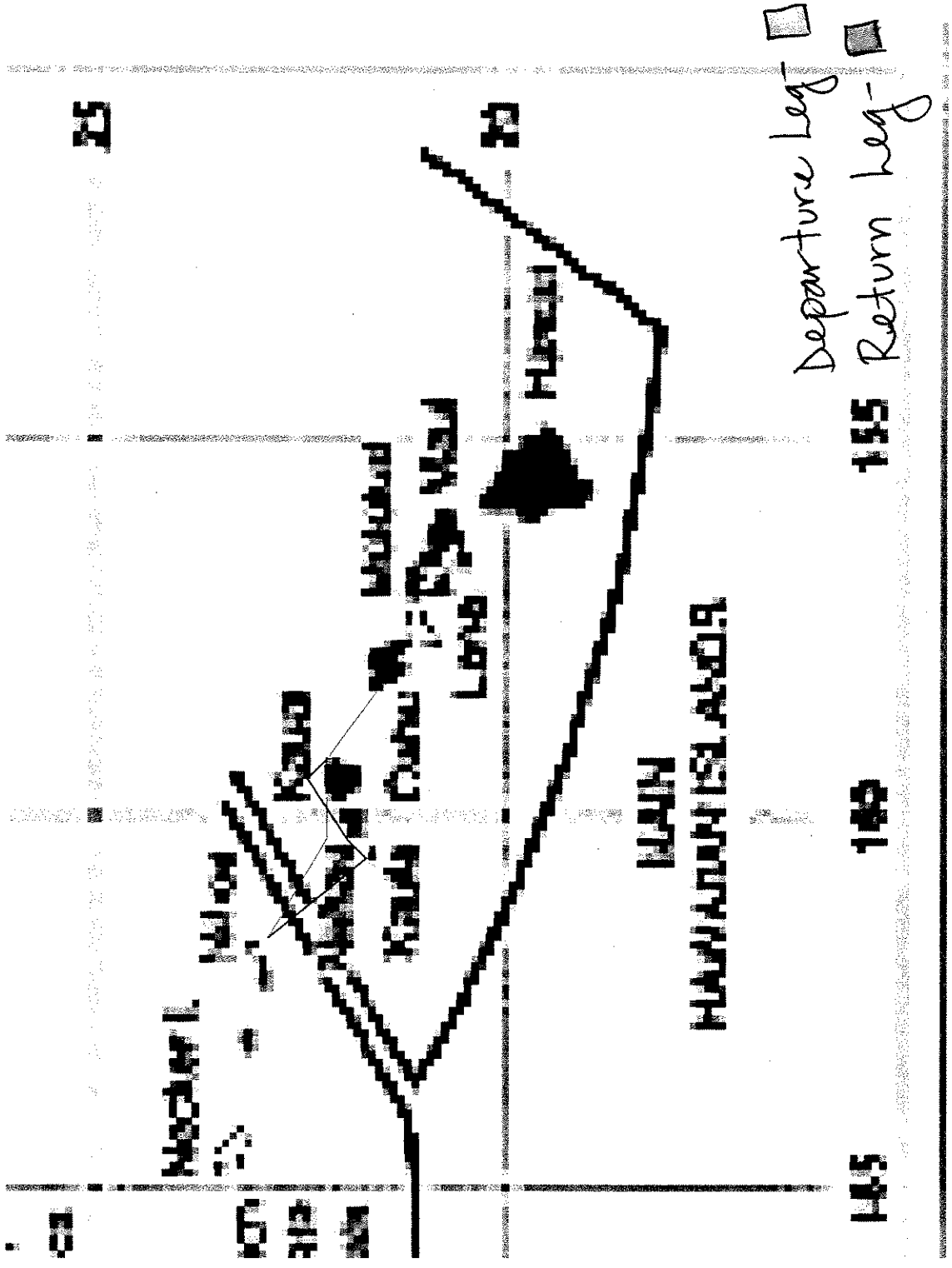
N/A

If applicable, how will personnel be transported between islands within any one atoll?

N/A

Kapu Na Keiki – Sail Plan
July 21st 2006 – August 3rd, 2006

1. METC – MAKUA FRI-7/21 1400hrs TO FRI 7/21 2200hrs
 STAY – 24 HRS 15 MIN SAT 7/22
2. MAKUA – HANAIEI SAT-7/22 1815hrs TO SUN 7/23 1000hrs
 STAY – 46 HRS SUN 7/23 – MON 7/24
3. HANAIEI – WAIMEA TUE-7/25 0800hrs TO TUE 7/25 1800hrs
 STAY – 40 HRS 24 MIN TUE 7/25 – WED 7/26
4. WAIMEA – NIHOA THUR-7/27 1024hrs TO FRI 7/28 1200hrs
 STAY – 13 HRS 25 MIN FRI 7/28 – SAT 7/29
5. NIHOA – NI'HAU SAT-7/29 0600hrs TO SUN 7/30 1306hrs
 STAY – 20 HRS 24 MIN SAT 7/29 – SUN 7/30
6. NI'HAU – HANAIEI MON-7/31 1000hrs TO TUE 8/1 0001hrs
 STAY – 36 HRS TUE 8/1 – WED 8/2
7. CLEAN VESSELS TUES-8/1 (ALL DAY)
 STAY – 24 HRS TUE 8/1 – WED 8/2
8. TEACH COMMUNITY CHILDREN (ALL DAY) ???
9. KAPU NA KEIKI STUDENTS FLY HOME THUR 8/3



NWHI Proposal
Polynesian Voyaging Society
Kapu Na Keiki Training – July 2006

The primary objective of this particular activity is to allow high school students to practice the traditional Hawaiian/Polynesian skills of Wayfinding (non-instrumental navigation), in preparation for an upcoming voyage to Micronesia and Japan. The voyage will be coming up in December of 2006, and the students need on-the-water training to prepare them for such an arduous endeavor. The Main Hawaiian Islands are relatively too close to practice long-range navigational skills, thus we wish to conduct such training within the NWHI.

Nihoa is the primary destination, and the premise of this trip is just to be able to visually locate the destination, not to land there. However, we do wish to anchor overnight, and possibly harvest a few fish as sustenance, if still permissible under the new regulations of the monument. Yet, one of our main goals of taking the students to the NWHI is to illustrate the possibilities of a healthy ecosystem, due to the attempts of minimizing anthropogenic influences within the sanctuary.

Besides acquiring and utilizing general navigational skills, a trip to the NWHI would prove to be beneficial to our students to teach them the necessary means of sustainability and the importance of minimizing anthropogenic impact within an ecosystem/biome. Furthermore, Nihoa and Mokumanamana play significant roles from a cultural perspective, with Nihoa being formerly colonized by Polynesian ancestors, and Mokumanamana being one of the most religious/sacred sites throughout the Hawaiian Archipelago. Thus, we wish to extend our cultural beliefs of reverence towards our ancestors to these islands (primarily Nihoa), through Hawaiian protocol.

The new prospects of the Polynesian Voyaging Society are driven towards developing voyaging curriculum that may be utilized statewide and throughout the Pacific by both public and private institutions. The emphasis of the curriculum will be focused around scientific concepts, through traditional Hawaiian applications. The ecological concepts utilized in the Navigating Change curriculum developed during the 2004 NWHI Voyage will be used as a base to expand awareness and address pressing concerns regarding sustainability issues that we face on both a local and global scale.

As a culminating activity of this trip, the students will be asked to participate in beach clean-up projects and cultural activities, as a way to give back to the local communities hosting us on Kaua'i. Furthermore, they will teach the local children about basic navigation, as well as the significance of taking care of the NWHI, being our kupuna (ancestral) islands.

C. Nainoa Thompson

Nainoa Thompson, navigator and sail master of the double-hulled canoe Hokule'a, has for more than 20 years inspired and led a revival of traditional arts associated with long-distance ocean voyaging in Hawai'i and throughout Polynesia. Mr. Thompson has developed a system of wayfinding, or non-instrument navigating, synthesizing traditional principles of ancient Pacific navigation and modern scientific knowledge. He is the first Hawaiian and the first Polynesian to practice the art of wayfinding on long distance ocean voyages since such voyaging ended in Hawai'i around the 14th century.

Mr. Thompson has been a Trustee of the Kamehameha Schools since January 2001, and served as Chairman of the Board in 2004. He is Chairman of the Polynesian Voyaging Society and leads the organization in developing multi-disciplined, culturally relevant educational programs in partnership with other educational institutions, organizations and agencies. He has also served the Bishop Museum as Associate in Research, Ocean Explorations Project Director, and Project Planner and Manager.

He is a 1972 graduate of Punahou School and earned a Bachelor of Arts of ocean science from the University of Hawai'i.

Mr. Thompson serves as special advisor to the President of the University of Hawai'i on Native Hawaiian affairs. He is Regent Emeritus of the University of Hawai'i Board of Regents and is on the Advisory Council of the Ocean Policy Institute. A former U.S. Merchant Marine Officer, Mr. Thompson is a certified Advanced Diver, Red Cross Lifeguard and Commercial Pilot.

Mr. Thompson has served on the boards of the Hawai'i Maritime Center, Pacific Rim Foundation, Children's Discovery Center, Aloha United Way and the Native Hawaiian Culture and Arts Program. Mr. Thompson has received the following community awards: Unsung Hero of Compassion awarded by the Dalai Lama for the Wisdom in Action organization, Charles Reed Bishop Award from the Bishop Museum, the Samuel Armstrong Humanitarian Award from the Punahou School, the Communication and Leadership Award from Toast Masters International, the Ellison S. Onizuka Memorial Award from the National Educational Association, the Na Po'okela Award for Service to Humanity from the Baha'i Faith and the first recipient of the Native Hawaiian Education Association Manomano Ka'ike (Depth & Breadth of Knowledge) Educator of the Year Award (2003).

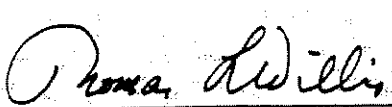
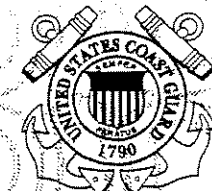


UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME KAMA HELE		OFFICIAL NUMBER 984967	IMO OR OTHER NUMBER 7	YEAR COMPLETED 1992	
HAILING PORT HONOLULU, HI		HULL MATERIAL STEEL		MECHANICAL PROPULSION YES	
GROSS TONNAGE 24 GRT	NET TONNAGE 22 NRT	LENGTH 45.0	BREADTH 13.5	DEPTH 10.8	
PLACE BUILT HONOLULU HI					
OWNERS HUAKA, LLC COMPRISED OF THREE MEMBERS.			OPERATIONAL ENDORSEMENTS RECREATION		
MANAGING OWNER HUAKA, LLC 440 PUAMAMANE ST HONOLULU, HI 96821					
RESTRICTIONS NONE					
ENTITLEMENTS NONE					
REMARKS NONE					
ISSUE DATE JUNE 23, 2005		 DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER			
THIS CERTIFICATE EXPIRES JULY 31, 2006					
VDS 3904149					



SARSAT Beacon Registration
E/SP3, RM 3320, FB-4
NOAA
5200 Auth Road
Suitland MD 20746-4304

June 9, 2005



COSPAS-SARSAT
PROOF OF REGISTRATION
EXP. DATE: 06/08/2007

ADCD021DC8C1C01

VSL:
KAMA HELE

THOMPSON LAURA, NAINOA AND BLANKENFELD BRUCE
440 PUAMAMANI STREET
HONOLULU HI 96821

Beacon ID:
ADCD021DC8C1C01

Dear THOMPSON LAURA, NAINOA AND BLANKENFELD BRUCE,

Thank you for submitting your 406 MHz emergency beacon registration. In the event that your beacon is activated the information you provided will be appended to the distress message transmitted to a Rescue Coordination Center. This information is critical for Search and Rescue (SAR) forces locating you, your vessel, or your aircraft in a timely manner and could possibly save your life.

The registration information you have provided has been entered into our database and a printout of this information is enclosed. You may review and update your registration at: www.beaconregistration.noaa.gov. You may also make changes by hand on the enclosed printout and return it to us at the address shown below or by fax at: 301-568-8649.

A proof-of-registration decal is also enclosed. This decal is proof that your beacon is registered with NOAA. You should affix the decal to the beacon in the space provided, or in such a way that it is visible when the beacon is properly mounted. Please be sure the area is clean and dry when affixing the decal. It will take 48 hours for the decal adhesive to properly bond. A laminate is provided to protect the decal from exposure to the weather. Please place this laminate over your decal.

Registration of 406 MHz emergency beacons is mandatory and only valid for two years. You are required to re-register your beacon with NOAA in two years. We will email or fax you a request for confirmation approximately two months prior to the expiration of your beacon registration.

Finally, we ask that you carefully read your owner's manual for instructions on installation and self-testing, as well as on proper removal and stowage of your beacon. These are important factors in ensuring the beacon works correctly when needed and reducing false alerts which needlessly tie up SAR forces and waste valuable resources.

If you have any questions regarding your registration or wish to provide registration updates via email, please contact NOAA's Beacon Registration Database team at beacon.registration@noaa.gov or by phone at 1-888-212-7283 or at 301-457-5678. If email is used, please type "Beacon Registration" for Subject.

Sincerely,

Ajay Mehta, SARSAT Program Manager

E/SP3, RM 3320, FB4
NOAA/NESDIS/OSDPD/DSD
5200 Auth Road
Suitland, MD 20746-4304

Tel: 301-457-5430 Ext. 144, 157, 164
Tel: 1-888-212-SAVE (7283)
Fax: 301-568-8649

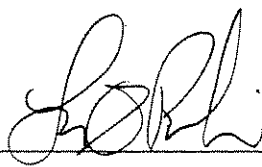


GROSSETO MARINE INS SVCE - SERVCO
900 FORT ST. MALL
SUITE 880
HONOLULU, HI 96813

CONFIRMATION OF INSURANCE EPG NO. 05269-03 OPA

THIS IS TO CONFIRM that E.P.G., LLC, has declared to Underwriters listed below under contract No. 05HV123X0001, the risk(s) detailed below and said Underwriters have undertaken the insurance declared hereunder to have been effected.

ASSURED : Hu'aka, LLC
TYPE : MARINE POLLUTION INSURANCE
VESSEL(S) : Kama Hele - Sloop GRT: 24
PERIOD : From April 18, 2006 To April 18, 2007 00.01 LST
INTEREST : United States Oil Pollution Liability
LIMIT OF LIABILITY : a) US \$ 1,000,000.00 each incident and/or occurrence.
CONDITIONS : As per the London U.S. Vessel Pollution Insurance Policy LSW 1220 (03/99). Including any applicable fines and penalties covered under the Oil Pollution Act of 1990, as per Endorsement No.1 (After a \$ 500.00 deductible, coverage is limited to 80% of any fine or penalties at no time is it to exceed US \$157,500.00 each incident but US \$250,000.00 in aggregate any one Assured), Endorsement No.2 (COFR Guaranty and P&I Warranty) & Endorsement No.3 (Several Liability Notice-LSW 1001, Cancellation Clause 856ROP00182, Institute Radioactive Contamination, Chemical, Biological and Electromagnetic Weapons Exclusion Clause CL 370, Institute Cyber Attack Exclusion Clause CL 380)
EPG IS TO RECEIVE IMMEDIATE NOTICE UPON DISCOVERY OF POLLUTION OR THREAT OF POLLUTION.
PREMIUM : US \$ 363.00 Plus EPG Policy/Documentation Fee \$ 25.00
INSURED WITH : 100% Lloyd's Underwriters.



E.P.G., LLC

April 20, 2006

DATE

41:24:08N
73:28:18W

*** Beacon Data ***

- *** Vessel Data ***

- *** Emergency contacts ashore for information on vessel itinerary ***

- NOAA/NESDIS, E/SP3, Rm 3320, FB4, Suitland, MD 20746-4304. 1-888-212-SAVE